

WHAT IS CLAIMED IS:

1. A sheet material conveyor comprising:

a pocket conveyor with at least one moving pocket for collecting printed sheet material, the pocket conveyor having a release area for releasing the printing sheet material in the pocket; and

an air supply device providing air to the pocket at the release area.

2. The sheet material conveyor as recited in claim 1 wherein the pocket has a pocket foot released at the release area to drop the printed sheet material.

3. The sheet material conveyor as recited in claim 1 wherein the pocket includes an angled collect wall having air holes for the air.

4. The sheet material conveyor as recited in claim 1 wherein the air supply device includes an air manifold on each pocket connected to the air holes.

5. The sheet material conveyor as recited in claim 4 wherein the air supply device includes an air transfer unit for transferring air to the air manifold.

6. The sheet material conveyor as recited in claim 5 wherein the air transfer unit is located at the release area.

7. The sheet material conveyor as recited in claim 5 wherein the air transfer unit includes a pressurized air source, a belt having holes interacting with the air manifold on the pocket, and a drive driven by the pocket.

8. The sheet material conveyor as recited in claim 1 wherein the air supply device is adjustable to vary pressure of the air supplied to the pocket.

9. The sheet material conveyor as recited in claim 1 wherein the at least one pocket includes a plurality of pockets.

10. The sheet material conveyor as recited in claim 1 further including a further conveying unit located below the pocket at the release area.

11. The sheet material conveyor as recited in claim 10 wherein the further conveying unit is a gripper conveying unit.

12. A printed sheet material pocket comprising:
a collect wall, the collect wall having a plurality of air holes for providing
pressurized air to printed sheet material collected on the collect wall; and
a releasable foot.

13. A method for transferring printed sheet material from a pocket conveyor, the method comprising the steps of:
providing pressurized air to the printed sheet material; and
releasing the printed sheet material from the pocket while the pressurized air is
being provided.

14. The method as recited in claim 13 further comprising collating printed sheet material having different coefficients of friction in the pocket conveyor.

15. The method as recited in claim 13 further comprising gripping the printed sheet material after the releasing step.